

Converting Colors

$Y_{xy}(28.3416, 0.4606, 0.4496)$

Have a look what the booklet for
Yxy(28.3416, 0.4606, 0.4496)
contains.

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Color

Yxy(28.5009, 0.4604, 0.4495)

Conversions

Conversions Part 1

Format	Color
Hex	B88A25
RGB	184, 138, 37
RGB Percent	72%, 54%, 15%
CMY	0.2784, 0.4588, 0.8549
CMYK	0.00, 0.25, 0.80, 0.28
HSL	41°, 67%, 43%
HSV	41°, 80%, 72%
XYZ	29.1920, 28.5009, 5.7129
YIQ	140.2400, 59.8370, -21.6590

Conversions

Conversions Part 2

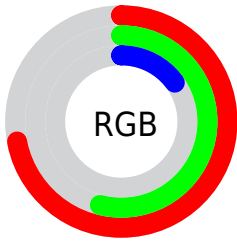
Format	Color
RYB	104, 184, 37
Decimal	12093989
CIELab	60.34, 8.30, 56.74
CIElCh	60, 57.349, 81.676
Yxy	28.5009, 0.4604, 0.4495
Android (android.graphics.Color)	4290284069 (0xFFB88A25)
YUV	140.2400, -50.8973, 38.3775
Hunter-Lab	53.3862, 4.1793, 31.0257

Details

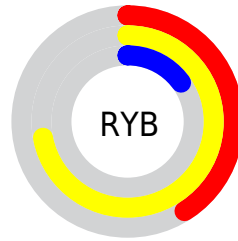
The Yxy color **28.5009, 0.4604, 0.4495** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.0438, 0.1808, 0.1452**, and the grayscale version is **26.5095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2500, 0.4349, 0.4305**, and **11.4151, 0.4823, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **26.8053, 0.4753, 0.4523**, and if you desaturate by 10%, it is **30.3452, 0.4428, 0.4419**.

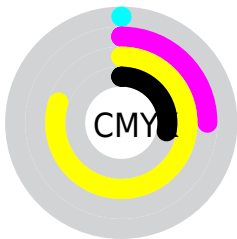
Distribution



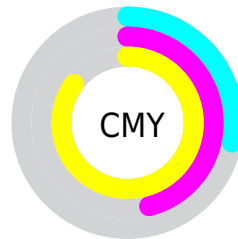
- Red (72%)
- Green (54%)
- Blue (15%)



- Red (41%)
- Yellow (72%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (28%)




- Cyan (28%)
- Magenta (46%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5009, 0.4604, 0.4495 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.5009, 0.4604, 0.4495 by changing the saturation by 10% instead.


 28.5009, 0.4604,
0.4495


 28.5009, 0.4604,
0.4495


294.8527, 0.3865,
0.3928


 18.7036, 0.4762,
0.4598


 57.2832, 0.4349,
0.4312


 11.4563, 0.4937,
0.4696


 77.0369, 0.4248,
0.4235


 6.3746, 0.5178,
0.4822


 100.8782, 0.4160,
0.4167


 3.0742, 0.5260,
0.4740

 129.1916, 0.4085,
0.4107

 1.1706, 0.5402,
0.4598

 162.3613, 0.4019,
0.4054

 0.0375, 0.8641,
0.1359

 200.7718, 0.3961,

 0.0000, 0.0000,

0.4007

0.0000

244.8075, 0.3910,
0.3965

■ 28.5009, 0.4604,
0.4495

■ 28.5009, 0.4604,
0.4495

■ 26.8053, 0.4753,
0.4523

■ 30.3452, 0.4428,
0.4419

■ 25.2372, 0.4877,
0.4509

■ 32.3431, 0.4234,
0.4302

■ 25.2206, 0.4878,
0.4509

■ 34.5036, 0.4031,
0.4155

■ 36.8339, 0.3829,
0.3987

■ 39.3404, 0.3634,
0.3810

■ 42.0289, 0.3450,
0.3631

■ 44.9051, 0.3280,
0.3456

■ 47.9742, 0.3126,
0.3288

■ 51.2411, 0.2986,
0.3130

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.5009, 0.4967, 0.3841



28.5009, 0.4604, 0.4495



28.5009, 0.3877, 0.4980

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.5009, 0.4604, 0.4495



28.5009, 0.1714, 0.3065



28.5009, 0.3017, 0.2161

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.5009, 0.4604, 0.4495



10.0438, 0.1808, 0.1452

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.5009, 0.2219, 0.1936



28.5009, 0.4604, 0.4495



28.5009, 0.1567, 0.2323

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.5009, 0.4604, 0.4495



28.5009, 0.2213, 0.4108



28.5009, 0.1736, 0.1972



28.5009, 0.3989, 0.2604

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.5009, 0.4604, 0.4495



28.5009, 0.3299, 0.5022



28.5009, 0.1736, 0.1972



28.5009, 0.2720, 0.2059

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.5023, 0.4604, 0.4495



73.9374, 0.3531, 0.3712



12.1485, 0.5044, 0.2783



15.5709, 0.3597, 0.3775



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5023, 0.4604, 0.4495



46.3793, 0.4847, 0.4511



41.5943, 0.3870, 0.5128



10.0163, 0.3271, 0.3447



17.5100, 0.4867, 0.4517



0.7225, 0.4655, 0.4686

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0438, 0.1808, 0.1452



12.3117, 0.1638, 0.1073



5.8731, 0.1808, 0.0929



9.1659, 0.2985, 0.3129



4.5556, 0.1625, 0.1051



0.2747, 0.1777, 0.1598

Previews

White Background



This preview shows how the Yxy color 28.5009, 0.4604, 0.4495 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.5009, 0.4604, 0.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5009, 0.4604, 0.4495

Background



This preview shows how black text looks on a background with the Yxy color 28.5009, 0.4604, 0.4495.



This preview shows how white text looks on a background with the Yxy color 28.5009, 0.4604, 0.4495.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.5009, 0.4604, 0.4495

Protanopia

28.5968, 0.4281, 0.4717

Deuteranopia

28.3778, 0.4593, 0.4502



Tritanopia

28.5117, 0.3733, 0.3154

Trichromacy



Original Color

28.5009, 0.4604, 0.4495

Protanomaly

28.4428, 0.4398, 0.4639

Deuteranomaly

28.3778, 0.4593, 0.4502

Tritanomaly

28.1532, 0.4136, 0.3710

Monochromacy



Original Color

28.5009, 0.4604, 0.4495

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.5124, 0.3706, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5009, 0.4604, 0.4495 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 138, 37)` looks like.

```
.text, #text, p{  
    color:rgb(184, 138, 37)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 138, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 138, 37) }
```

Border

The CSS property to change the border of an element to Yxy 28.5009, 0.4604, 0.4495 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 138, 37) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(184, 138, 37) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(184, 138, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 138, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 138, 37);  
box-shadow:4px 4px 4px 4px rgb(184, 138,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5009, 0.4604, 0.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 138, 37) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184,  
138, 37) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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